

DECLARATION AND POWER OF ATTORNEY

As the below-named inventors, we declare that:

Our residences, post office addresses, and citizenships are as stated below under our names.

We believe we are the original, first, and joint inventors of the invention entitled "METHOD AND SYSTEM FOR CONTROLLING THE IMPROVING OF A PROGRAM LAYOUT," which is described and claimed in the foregoing specification and for which a patent is sought.

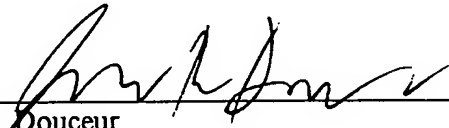
We have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment specifically referred to herein (if any).

We acknowledge our duty to disclose information of which we are aware which is material to the examination of this application in accordance with 37 C.F.R. § 1.56(a).

We hereby appoint RICHARD W. SEED, Registration No. 16,557; ROBERT J. BAYNHAM, Registration No. 22,846; EDWARD W. BULCHIS, Registration No. 26,847; GEORGE C. RONDEAU, JR., Registration No. 28,893; DAVID H. DEITS, Registration No. 28,066; WILLIAM O. FERRON, JR., Registration No. 30,633; PAUL T. MEIKLEJOHN, Registration No. 26,569; DAVID J. MAKI, Registration No. 31,392; RICHARD G. SHARKEY, Registration No. 32,629; DAVID V. CARLSON, Registration No. 31,153; MAURICE J. PIRIO, Registration No. 33,273; KARL R. HERMANN, Registration No. 33,507; DAVID D. McMASTERS, Registration No. 33,963; ROBERT IANNUCCI, Registration No. 33,514; JOSHUA KING, Registration No. 35,570; MICHAEL J. DONOHUE, Registration No. 35,859; KEVIN J. CANNING, Registration No. 35,470; CHRISTOPHER J. DALEY-WATSON, Registration No. 34,807; STEVEN D. LAWRENZ, Registration No. 37,376; ROBERT G. WOOLSTON, Registration No. 37,263; ELLEN M. BIERMAN, Registration No. 38,079; BRYAN A. SANTARELLI, Registration No. 37,560; CAROL NOTTENBURG, Registration No. 39,317; CRAIG S. JEPSON, Registration No. 33,517; PAUL T. PARKER, Registration No. 38,264; JOHN C. STEWART, Registration No. 40,188; ROBERT W. BERGSTROM, Registration No. 39,906; DAVID W. PARKER, Registration No. 37,414; ROBERT E. MATES, Registration No. 35,271; BRIAN G. BODINE, Registration No. 40,520; FRANK ABRAMONTE, Registration No. 38,066; E. RUSSELL TARLETON, Registration No. 31,800; FREDERICK M. FLIEGEL, Registration No. 36,138; JAN C. L. MAXWELL, Registration No. 41,181; THOMAS L. EWING, Registration No. 34,328; and CLIFTON G. GREEN, Registration No. 41,044, comprising the firm of SEED AND BERRY LLP, 6300 Columbia Center, Seattle, Washington 98104-7092, as

our attorneys to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. Please direct all telephone calls to Maurice J. Pirio at (206) 622-4900 and telecopies to (206) 682-6031.

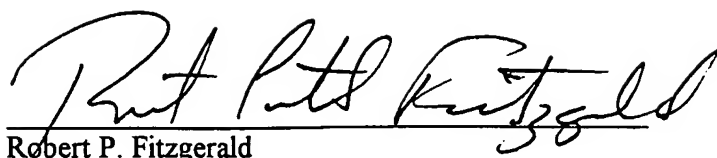
We further declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that the making of willfully false statements and the like is punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and may jeopardize the validity of any patent issuing from this patent application.



John R. Douceur

Date 9/11/97

Residence : City of Bellevue, County of King
State of Washington
Citizenship : United States of America
P.O. Address : 14711 Northeast 50th Place, #J-2
Bellevue, Washington 98007


Robert P. Fitzgerald

Date 12-Sep-97

Residence : City of Redmond, County of King
State of Washington

Citizenship : United States of America

P.O. Address : 19923 Northeast Redmond Road
Redmond, Washington 98053



John W. Miller

Date 9-12-97

Residence : City of Kirkland, County of King
State of Washington
Citizenship : United States of America
P.O. Address : 331 8th Avenue West
Kirkland, Washington 98033

CERTIFICATE UNDER 37 C.F.R. § 3.73(b)

Microsoft Corporation, a corporation organized and existing under the laws of the State of Washington, having a place of business at One Microsoft Way, Redmond, Washington 98052, certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of an assignment from the inventors recorded in the Patent and Trademark Office on September 16, 1997, at Reel 8826, Frame 0128. To the best of my knowledge and belief, title is in Microsoft Corporation, the assignee.

Pursuant to 37 C.F.R. § 3.73(b) I hereby declare that I, the undersigned, am empowered to sign this certificate on behalf of Microsoft Corporation, the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true.

Please direct all correspondence in this case to:

John E. Whitaker
Merchant & Gould P.C.
P.O. Box 2903
Minneapolis, MN 55402-0903

MICROSOFT CORPORATION

Date: 4/13/01

By: 

Name: Daniel D. Crouse

Title: Assistant Secretary



S/N 08931,861

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: John R. Douceur et al. Examiner: George Opie
Serial No.: 08/931,861 Group Art Unit: 2755
Filed: September 16, 1997 Docket: 777.356US1
Title: METHOD AND SYSTEM FOR CONTROLLING THE IMPROVING
OF A PROGRAM LAYOUT

REVOCATION AND POWER OF ATTORNEY
CERTIFICATE UNDER 37 CFR §3.73(b)

Assistant Commissioner for Patents
Washington, D.C. 20231

In accordance with 37 C.F.R. Section 1.36, M.P.E.P. Section 402.05 and 402.07, please revoke any existing Powers of Attorney, if any, and appoint the following attorneys and/or patent agents to prosecute this application and to transact all business in the Patent and Trademark Office in connection therewith:

Adams, Gregory J.	Reg. No. 44,494	Litman, Mark A.	Reg. No. 26,390
Anglin, J. Michael	Reg. No. 24,916	Lundberg, Steven W.	Reg. No. 30,568
Bianchi, Timothy E.	Reg. No. 39,610	Mack, Lisa K.	Reg. No. 42,825
Billion, Richard E.	Reg. No. 32,836	Maki, Peter C.	Reg. No. 42,832
Black, David W.	Reg. No. 42,331	Malen, Peter L.	Reg. No. 44,894
Brennan, Leoniede M.	Reg. No. 35,832	Mates, Robert E.	Reg. No. 35,271
Brennan, Thomas F.	Reg. No. 35,075	McCrackin, Ann M.	Reg. No. 42,858
Brooks, Edward J., III	Reg. No. 40,925	Nama, Kash	Reg. No. 44,255
Chu, Dinh C.P.	Reg. No. 41,676	Nelson, Albin J.	Reg. No. 28,650
Clark, Barbara J.	Reg. No. 38,107	Nielsen, Walter W.	Reg. No. 25,539
Crouse, Daniel D.	Reg. No. 32,022	Oh, Allen J.	Reg. No. 42,047
Dahl, John M.	Reg. No. 44,639	Padys, Danny J.	Reg. No. 35,635
Drake, Eduardo E.	Reg. No. 40,594	Parker, J. Kevin	Reg. No. 33,024
Eliseeva, Maria M.	Reg. No. 43,328	Peacock, Gregg A.	Reg. No. 45,001
Embretson, Janet E.	Reg. No. 39,665	Perdok, Monique M.	Reg. No. 42,989
Fogg, David N.	Reg. No. 35,138	Polglaze, Daniel J.	Reg. No. 39,801
Fordenbacher, Paul J.	Reg. No. 42,546	Prout, William F.	Reg. No. 33,995
Forrest, Bradley A.	Reg. No. 30,837	Sako, Katie E.	Reg. No. 32,628
Harris, Robert J.	Reg. No. 37,346	Schumm, Sherry W.	Reg. No. 39,422
Huebsch, Joseph C.	Reg. No. 42,673	Schwegman, Micheal L.	Reg. No. 25,816
Jurkovich, Patti J.	Reg. No. 44,813	Sieffert, Kent J.	Reg. No. 41,312
Kalis, Janal M.	Reg. No. 37,650	Slifer, Russell D.	Reg. No. 39,838
Kaufmann, John D.	Reg. No. 24,017	Smith, Michael G.	Reg. No. P-45,368
Klima-Silberg, Catherine I	Reg. No. 40,052	Steffey, Charles E.	Reg. No. 25,179
Kluth, Daniel J.	Reg. No. 32,146	Terry, Kathleen R.	Reg. No. 31,884
Lacy, Rodney L.	Reg. No. 41,136	Viksנים, Ann S.	Reg. No. 37,748
Leffert, Thomas W.	Reg. No. 40,697	Woessner, Warren D.	Reg. No. 30,440
Lemaire, Charles A.	Reg. No. 36,198		

CERTIFICATE UNDER 37 CFR §3.73(b)

Microsoft Corporation hereby certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of an assignment from the inventor filed September 16, 1997 and recorded on Reel 8805, Frames 0662 -. To the best of my knowledge and belief, title is in Microsoft Corporation, the assignee.

Pursuant to 37 C.F.R. §3.73(b) I hereby declare that I, Daniel D. Crouse, am empowered to sign this certificate on behalf of Microsoft Corporation, the assignee.

I hereby declare that all statement made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true.

Please direct all correspondence in this case to:

Schwegman, Lundberg, Woessner & Kluth, P.A.
P.O. Box 2938
Minneapolis, MN 55402
Telephone No. (612)373-6900

Date 12/9/99

By



Daniel D. Crouse

Title: Assistant Secretary

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:	Douceur et al.	Examiner:	G. Opie
Application No.:	08/931,861	Group Art Unit:	2151
Filed:	September 16, 1997	Docket No.:	661005.540
			[50037.33US01]
Title:	METHOD AND SYSTEM FOR CONTROLLING THE IMPROVING OF A PROGRAM LAYOUT		

CERTIFICATE UNDER 37 CFR 1.8:

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on

4/16/01

John E. Whitaker

REVOCATION AND POWER OF ATTORNEY
CERTIFICATE UNDER 37 CFR § 3.73(b)

Assistant Commissioner for Patents
 Washington, D.C. 20231

Dear Sir:

In accordance with 37 C.F.R. § 1.26, M.P.E.P. Section 402.05 and 402.07, please revoke any existing Powers of Attorney and appoint the following attorneys and/or patent agents to prosecute this application and to transact all business in the U.S. Patent and Trademark Office in connection therewith:

Albrecht, John W.	Reg. No. 40,481	Carlson, Alan G.	Reg. No. 25,959
Ali, M. Jeffer	Reg. No. 46,359	Caspers, Philip P.	Reg. No. 33,227
Anderson, Gregg I.	Reg. No. 28,828	Chiapetta, James R.	Reg. No. 39,634
Batzli, Brian H.	Reg. No. 32,960	Clifford, John A.	Reg. No. 30,247
Beard, John L.	Reg. No. 27,612	Coldren, Richard J.	Reg. No. 44,084
Berns, John M.	Reg. No. 43,496	Daignault, Ronald A.	Reg. No. 25,968
Black, Bruce E.	Reg. No. 41,622	Daley, Dennis R.	Reg. No. 34,994
Branch, John W.	Reg. No. 41,633	Dalglish, Leslie E.	Reg. No. 40,579
Bremer, Dennis C.	Reg. No. 40,528	Daulton, Julie R.	Reg. No. 36,414
Bruess, Steven C.	Reg. No. 34,130	DeVries Smith, Katherine M.	Reg. No. 42,157
Byrne, Linda M.	Reg. No. 32,404	DiPietro, Mark J.	Reg. No. 28,707
Campbell, Keith	Reg. No. 46,597	Edell, Robert T.	Reg. No. 20,187

Epp Ryan, Sandra	Reg. No. 39,667	Phillips, John B.	Reg. No. 37,206
Glance, Robert J.	Reg. No. 40,620	Prendergast, Paul	Reg. No. 46,068
Goggin, Matthew J.	Reg. No. 44,125	Pytel, Melissa J.	Reg. No. 41,512
Golla, Charles E.	Reg. No. 26,896	Qualey, Terry	Reg. No. 25,148
Gorman, Alan G.	Reg. No. 38,472	Reich, John C.	Reg. No. 37,703
Gould, John D.	Reg. No. 18,223	Reiland, Earl D.	Reg. No. 25,767
Gregson, Richard	Reg. No. 41,804	Roberts, Fred	Reg. No. 34,707
Gresens, John J.	Reg. No. 33,112	Samuels, Lisa A.	Reg. No. 43,080
Hamer, Samuel A.	Reg. No. 46,754	Schmaltz, David G.	Reg. No. 39,828
Hamre, Curtis B.	Reg. No. 29,165	Schuman, Mark D.	Reg. No. 31,197
Harrison, Kevin C.	Reg. No. 46,759	Schumann, Michael D.	Reg. No. 30,422
Hertzberg, Brett A.	Reg. No. 42,660	Scull, Timothy B.	Reg. No. 42,137
Hillson, Randall A.	Reg. No. 31,838	Sebald, Gregory A.	Reg. No. 33,280
Holzer, Jr., Richard J.	Reg. No. 42,668	Skoog, Mark T.	Reg. No. 40,178
Johnston, Scott W.	Reg. No. 39,721	Spellman, Steven J.	Reg. No. 45,124
Kadievitch, Natalie D.	Reg. No. 34,196	Stoll-DeBell, Kirstin L.	Reg. No. 43,164
Karjeker, Shaukat A.	Reg. No. 34,049	Sullivan, Timothy P.	Reg. No. 47,981
Kettelberger, Denise	Reg. No. 33,924	Sumner, John P.	Reg. No. 29,114
Keys, Jeramie J.	Reg. No. 42,724	Swenson, Erik G.	Reg. No. 45,147
Knearl, Homer L.	Reg. No. 21,197	Tellekson, David K.	Reg. No. 32,314
Kowalchyk, Alan W.	Reg. No. 31,535	Trembath, Jon R.	Reg. No. 38,344
Kowalchyk, Katherine M.	Reg. No. 36,848	Tunheim, Marcia A.	Reg. No. 42,189
Lacy, Paul E.	Reg. No. 38,946	Underhill, Albert L.	Reg. No. 27,403
Larson, James A.	Reg. No. 40,443	Vandenburgh, J. Derek	Reg. No. 32,179
Leon, Andrew J.	Reg. No. 46,869	Wahl, John R.	Reg. No. 33,044
Leonard, Christopher J.	Reg. No. 41,940	Weaver, Karrie G.	Reg. No. 43,245
Liepa, Mara E.	Reg. No. 40,066	Welter, Paul A.	Reg. No. 20,890
Lindquist, Timothy A.	Reg. No. 40,701	Whipps, Brian	Reg. No. 43,261
Mayfield, Denise L.	Reg. No. 33,732	Whitaker, John E.	Reg. No. 42,222
McDonald, Daniel W.	Reg. No. 32,044	Wickhem, J. Scot	Reg. No. 41,376
McIntyre, Jr., William F.	Reg. No. 44,921	Williams, Douglas J.	Reg. No. 27,054
Mitchem, M. Todd	Reg. No. 40,731	Withers, James D.	Reg. No. 40,376
Mueller, Douglas P.	Reg. No. 30,300	Witt, Jonelle	Reg. No. 41,980
Nichols, A. Shane	Reg. No. 43,836	Wu, Tong	Reg. No. 43,361
Parsons, Nancy J.	Reg. No. 40,364	Xu, Min S.	Reg. No. 39,536
Pauly, Daniel M.	Reg. No. 40,123	Zeuli, Anthony R.	Reg. No. 45,255
Phillips, Bryan K.	Reg. No. 46,990		

In addition, I also hereby appoint the following attorneys to prosecute this application and to transact all business in the U.S. Patent and Trademark Office in connection therewith:

Kate E. Sako, Reg. No. 32,628
Daniel D. Crouse, Reg. No. 32,022